

# **DART SERVICE INSTRUCTION**

**TO AMEND IIN-D139-799 REV. H OR SUBSEQUENT**

**AND ICA-D139-799 REV. 7 OR SUBSEQUENT**

REF. FAA STC: SR02138SE

REF. EASA STC: 10038656

## **1.0 PURPOSE**

The purpose of this Dart Service Instruction (DSI) is to provide different methods of installing the D4153-5 Clamp Plates as part of the D139-799-019 Cabin Floor Protector Kit installation to take into account different aircraft configurations.

## **2.0 PROCEDURE**

### **2.1 Option 1**

2.1.1 Fabricate a shim from 6061-T6 (or 2024-T3) Aluminum 0.50" to 0.75" (13 to 19 mm) wide x full length of D4153-5 Clamp Plate with thickness required to be level with D4130-1/-3 Floor Protector as shown in Figure 1 of this Service Instruction.

2.1.2 Transfer existing airframe holes to the shims. Deburr and finish shim plates holes with MIL-P-85582 or MIL-P23377 primer.

2.1.3 Install D4153-5 Clamp Plates with the shims as shown in Figure 1 of this Service Instruction.

### **2.2 Option 2**

2.2.1 Joggle D4153-5 Clamp Plate as shown in Figure 2 of this Service Instruction.

2.2.2 Transfer existing airframe holes to D4153-5 Clamp Plates.

2.2.3 Install D4153-5 Clamp Plates as shown in Figure 2 of this Service Instruction.

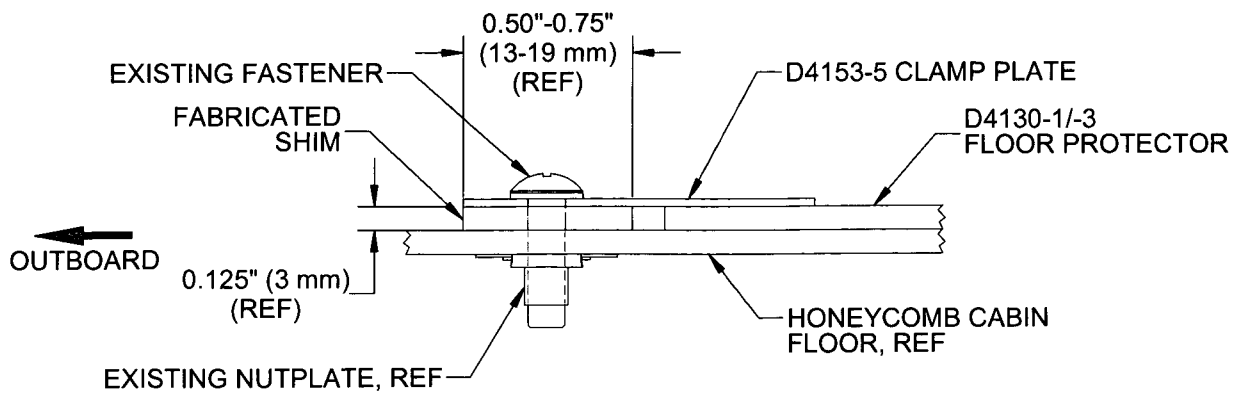
### **2.3 Option 3**

2.3.1 Remains the same as Detail T, Figure 7d in IIN-D139-799. Figure 3 of this Service Instruction is intended to clarify the Detail.

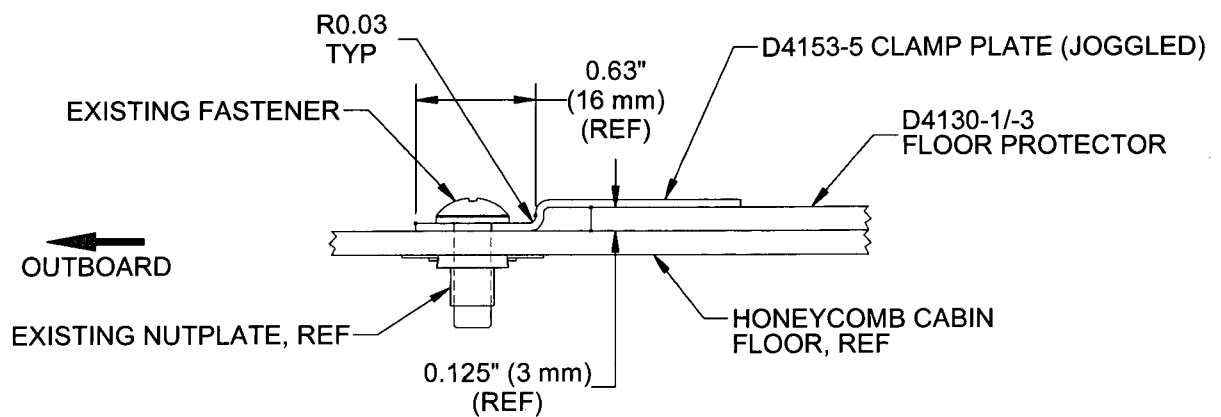
## **3.0 WEIGHT & BALANCE**

This DSI has a negligible effect on Weight & Balance

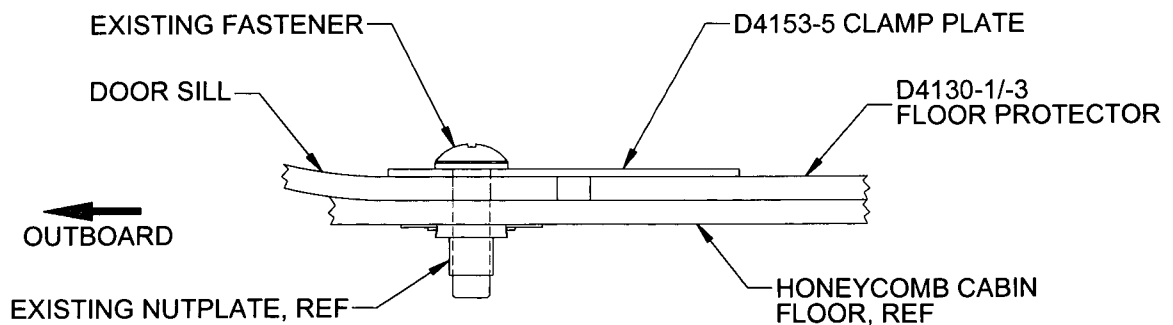
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**FIGURE 1 - D4153-5 CLAMP PLATE INSTALLATION (OPTION 1)**



**FIGURE 2 - D4153-5 CLAMP PLATE INSTALLATION (OPTION 2)**



**FIGURE 3 - D4153-5 CLAMP PLATE INSTALLATION (OPTION 3)**  
(TO CLARIFY DETAIL T OF FIGURE 7d OF IIN-D139-799)

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